CLAIMS

1. A recording medium, comprising:

a data area including at least two data sections; and

a linking area to link neighboring data sections, the linking area including at least two frame sync signals, where values of the at least two frame sync signals maintain uniqueness.

2. The recording medium of claim 1, wherein the linking area includes at least two linking frames, a first linking frame and a second linking frame, wherein at least one frame sync signal is included in each linking frame.

3. The recording medium of claim 2, wherein each linking frame includes at least one frame sync signal at a front of the linking frame.

4. The recording medium of claim 1, wherein each frame synch signal includes a frame synch number and a frame synch ID.

5. The recording medium of claim 1, wherein the data area includes at least one sync signal.

6. The recording medium of claim 5, wherein the at least two frame sync signals in the linking frames are different from the at least one sync signal in the data area.

7. The recording medium of claim 1, wherein said at least one frame sync signal is different from a sync signal written on a rewritable or recordable recording medium during data recording.

8. The recording medium of claim 5, wherein the at least three sync signals are different from each other and a recorded order of the at least three sync signals is reverse of a recorded order of at least three sync signals written in a linking area of a rewritable or recordable recording medium.

9. The recording medium of claim 4, wherein each frame sync ID is one of '100 101', '101 010', '010 101' or '101 001'.

10. The recording medium of claim 9, wherein a frame sync signal written in a first linking frame is '100 101' and a frame sync signal written in a second linking frame is '101 010'.

11. The recording medium of claim 10, wherein a value of '00' follows the frame sync signal of each linking frame.

12. The recording medium of claim 11, wherein a physical address follows the value of '00'.

13. The recording medium of claim 10, wherein a value of '08h' follows the frame sync signal of each linking frame.

14. The recording medium of claim 13, wherein a value of '00h' follows the value of '08h' for a remainder of the linking frame.

15. The recording medium of claim 1, wherein a signal distance between the at least two frame sync signals maintains uniqueness.

16. The recording medium of claim 15, wherein the signal distance between the at least two frame sync signals is at least two.

17. The recording medium of claim 1, wherein the at least two frame sync signals maintain uniqueness over n frames, where $n \geq 2$.

18. The recording medium of claim 17, wherein the at least two frame sync signals maintain uniqueness over n frames, where $n \geq 4$.

19. A method of forming a recording medium, comprising:

forming a linking area to link neighboring data sections of a data area while recording data onto the recording medium;

selecting values of at least two frame sync signals, to maintain uniqueness; and

writing the at least two frame sync signals in the linking area to link the neighboring data sections.

20. A method of reproducing data from a recording medium, comprising:

utilizing a linking area, including at least two frame sync signals, which maintain uniqueness and link neighboring data sections of a data area, to reproduce the data.

21. The method of claim 20, further comprises,

determining whether or not a current position is a linking area based on the at least one frame sync signal.

22. The method of claim 20, further comprises,

determining whether a current position is a front or rear of the data section based on the at least one frame sync signal.

23. The method of claim 20, wherein the data section has at least seven different frame sync signals, and two frame sync signals of linking area are different from the seven different sync signals of the data section.

24. The method of claim 23, wherein one of the at least two frame sync signals is a frame sync signal of bit pattern "100 101", and another is a frame sync signal of bit pattern "101 010".

25. A method of recording data on a recording medium, comprising:

utilizing a linking area, including at least two frame sync signals, wherein the at least two frame sync signals maintain uniqueness and are different from a sync signal included in the data area, to record the data.

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26. The method of claim 25, wherein a data section of data area has at least seven different frame sync signals, and the at least two frame sync signals of the linking area are different from the seven different sync signals of the data section.

27. The method of claim 26, wherein one of the at least two frame sync signals is a frame sync signal of bit pattern "100 101", and another is a frame sync signal of bit pattern "101 010".

28. The method of claim 27, wherein the first and second frame sync signals are recorded in order between two data sections.

29. An apparatus for reproducing data from a recording medium, said apparatus utilizing a linking area, including at least two frame sync signals, which maintain uniqueness and link neighboring data sections of a data area, to reproduce the data.

30. A recording medium, comprising:

a data area of at least two data sections, and

a linking area between the data sections, wherein the linking area includes at least two linking frames, a first linking frame and a second linking frame which each include at lest one frame sync signal, where each frame sync signals maintain uniqueness and is different from a sync signal included in the data section.

31. The recording medium of claim 30, wherein a data section of the data area has at least seven different frame sync signals, and the at least two frame sync signals of the linking area are different from the seven different sync signals of the data section.

32. The method of claim 31, wherein one of the at least two frame sync signals is a frame sync signal of bit pattern "100 101", and another is second frame sync signal of bit pattern "101 010".